



## **ABSTRACT**

Couplers for hair coloring compositions for oxidative dyeing of hair are compounds of the formula (1):

$$NH_2$$
 $NH_2$ 
 $NH_2$ 
 $NH_2$ 
 $NH_2$ 

where  $R_1$  and  $R_2$  are each individually selected from a hydrogen atom, a  $C_1$  to  $C_3$  alkyl group, a  $C_1$  to  $C_5$  mono or dihydroxyalkyl group; phenyl or benzyl optionally substituted with an alkoxy group, or  $R_1$  and  $R_2$  together with the nitrogen atom to which they are attached form a piperazine, piperidine, imidazole, or morpholine ring.